



## 2012 "VOLUNTEERS WORKING WITH INVASIVES" GRANTS REPORT FORM

### Display Report

#### PROJECT BACKGROUND INFORMATION

<b>Project Title:</b>	Washington Maritime National Wildlife Refuge Complex Invasives Species Baseline Survey/Inventory and Eradication	
<b>Region: Use region number ONLY</b>	1	
<b>Station:</b>	Protection Island NWR (PI) and San Juan Islands NWR (SJI).	
<b>Contact Person: Name and Phone Number</b>	Lorenz Sollmann 360-457-8451	
<b>Project Description: (Up to 250 words)</b>	Limited presence/absence data on vegetation have been collected on Protection Island NWR. In order to more accurately document the impacts, distribution, and percent cover, baseline data on invasive species is needed prior to initiating proposed grassland restoration. In a 2008 study looking at historically changes of the vegetation on Protection Island it was found that only 41% of the island vegetation is native (Cowles, 2008). On the San Juan Island NWR, similar limited information exists that is 7-10 years old. Gathering baseline data on these wilderness islands will guide refuge management on invasive species. Further, using volunteers to map, control, or eradicate these invasive species allow staff to better manage these remote refuge resources. Cowles, D.L. and Hayward, J.L., Historical Changes in the Physical and Vegetational Characteristics of Protection Island, Washington (2008)	
<b>List of Invasives Species Targeted:</b>	<b>Common Name</b>	<b>Scientific Name</b>
	English Holly	<i>Ilex aquifolium</i>
	English Ivy	<i>Hedera helix</i>
	Canada thistle	<i>Cirsium arvense</i>
	Bull thistle	<i>Cirsium vulgare</i>
	Field bindweed	<i>Convolvulus arvensis</i>
<b>Project Status:</b>	Completed	
<b>Project Completion Date or Estimated Completion Date: (mm/dd/yyyy)</b>	09/30/2012	

#### VOLUNTEER INFORMATION

<b>Volunteer Affiliation:</b> (Check all that apply)	VA_FriendsGrp	VA_Other
<b>Volunteer Involvement:</b> Describe the type of work the volunteers performed. (Up to 150 words)	Mapping, controlling by cutting and stump treating E. holly, pulling and spraying E. ivy, and mapping C. thistle, field bindweed, and bull thistle.	
<b>Total Number of Volunteers:</b>	7	
<b>Total Number of Volunteer Hours:</b>	114	
<b>Partnerships:</b> List both new and existing partnerships utilized in this project. (Up to 150 words).	San Juan Island and Clallam County Weed Boards, Friend's of Dungeness NWR, Dungeness volunteers	

## PROJECT RESULTS

<b>Project Results:</b> Give an overview of the results of the project. Include quantifiable measure of success, such as maps produced, efficacy of control measures, number of sites where invasions were detected early and responded to, number of community contacts, etc. (Up to 250 words).	Funds allowed staff to gather baseline data for two refuges within the complex. On Protection Island, where the CCP identified data gaps, we began collecting information on three invasive species. Also, on four islands within the San Juan Islands refuge, baseline data was gathered on one island open to the public and three closed islands. The species mapped were Canada thistle, field bindweed, English holly, English ivy, bull thistle, and a few other minor non-native species. The volunteers gave 114 hours and included middle school, high school, and retired seniors. About 1000 pounds of English ivy was removed from Matia Island. The work crew mapped, removed and stump treated all the English holly found on all the islands. While working on the island that is open to the public, the crew made many contacts with visitors (about 30-35 people) educating them on our work and the impacts non-native species have on island ecosystems. We received lots of positive feedback from the visiting public. We are also working to document, with video, the history of the current degraded state and loss of native vegetation to invasives on Protection Island NWR. This project also allowed us to establish a new working partnership with the San Juan County Weed Board. In preparation for this project the refuge hosted a RLGIS training course that was put on by the Portland regional office GIS shop. This project facilitated training for refuge staff, volunteers, and other nearby refuge staff in the use of RLGIS and Trimble units for mapping invasive species. However, project funding was not used for this aspect.	
<b>Number of Acres Treated:</b>	70	
<b>Number of Acres Inventoried and/or Mapped:</b>	75	
<b>Number of Acres Restored:</b>	0	

## BUDGET INFORMATION

**Budget:** Account for funds in broad categories such as equipment, volunteer stipends, travel, coordinator salary/contract, etc.

<b>Total Grant Amount:</b>	\$ \$8,745
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## Breakdown of Expenditures:

Category	Total \$ Spent	% of Total Grant
Equipment / Supplies	1781	20

Chemical	1865	21
Biocontrol Agents	0	0
Travel	2500	29
Volunteer Stipends	100	1
Volunteer Coordinator Salary/Contract	0	0
Restoration Materials	0	0
Other		
<b>TOTAL</b>	8745	

<p><b>Recommendations:</b> (OPTIONAL)  How useful was this program for meeting refuge  invasive species objectives and how can it be improved?</p>	
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